

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 43 | (Kropp with jorg.reinhardt).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/22 08:28 |
| S2 | 0 | birirectional with ((transmit\$ and receiv\$) or transceiver) and fiber | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 17:15 |
| S4 | 1 | bidirectional with ((transmit\$ and receiv\$) or transceiver) and fiber and (sheath\$2 with potting compound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 17:26 |
| S5 | 89 | (sheath\$2 with potting compound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 17:18 |
| S6 | 24 | S5 and optic\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 17:18 |
| S7 | 38 | ((transmit\$ and receiv\$) or transceiver) and (sheath\$2 with potting compound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 18:19 |
| S8 | 56 | bidirectional with ((transmit\$ and receiv\$) or transceiver) and focus and (lens or grating) and ("1.3" or "1.55" or "1300" or "1550") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/22 19:18 |
| S9 | 70 | bi-directional with ((transmit\$ and receiv\$) or transceiver) and focus and (lens or grating) and ("1.3" or "1.55" or "1300" or "1550") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 17:53 |
| S10 | 58 | S9 not S8 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 18:14 |

EAST Search History

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|-----|------|--|---|-----|-----|------------------|
| S11 | 3 | S8 and sheath\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 18:15 |
| S12 | 2 | S9 and sheath\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 18:17 |
| S13 | 5 | ((LD or laser diode) and (photodiode or photodetector or PD) or (light emitting or light receiving)) and (sheath\$2 with potting compound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 18:25 |
| S14 | 4674 | ((LD or laser diode) and (photodiode or photodetector or PD) or (light emitting or light receiving)) and (sheath\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 20:15 |
| S15 | 1297 | ((LD or laser diode) and (photodiode or photodetector or PD) or (light emitting or light receiving)) and (sheath\$2) and compound | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 19:14 |
| S16 | 65 | ((LD or laser diode) and (photodiode or photodetector or PD) or (light emitting or light receiving)) and (sheath\$2 with compound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 18:32 |
| S17 | 3 | S1 and sheath\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 18:44 |
| S18 | 331 | S15 and sealing | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 19:59 |
| S19 | 307 | S18 not S16 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 19:14 |
| S20 | 2 | ("20040223761").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/21 19:52 |

EAST Search History

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| S22 | 6 | ((("4063083") or ("5202567") or ("6493121"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/21 19:54 |
| S23 | 122 | S18 and led | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 20:01 |
| S24 | 125 | S15 and ("398".clas. or "385".clas. or "370".clas. or "359".clas.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 20:03 |
| S25 | 46 | ((LD or laser diode) and (photodiode or photodetector or PD) or (light emitting or light receiving)) and (sheath\$3) and potting compound | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 20:29 |
| S26 | 40 | ((LD or laser diode) and (photodiode or photodetector or PD) or (light emitting or light receiving)) and potting compound and "385".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 20:30 |
| S27 | 33 | S26 not S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/21 20:30 |
| S29 | 2 | ("5787215").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/22 13:19 |
| S30 | 2 | ("20040175186").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/22 15:10 |
| S31 | 2 | ("20030007753").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/22 15:55 |
| S32 | 2 | ("5555334").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/22 16:12 |

EAST Search History

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| S33 | 3 | ("6504975").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/22 16:17 |
| S34 | 2 | ("7121741").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/22 16:54 |
| S35 | 12 | ("20040114883" "20040184744" "20040223705" "20050013562" "20060051033" "5181265" "5555334" "6120191" "6243508" "6353491" "6433942" "6694074").PN. OR ("7121741"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/22 16:17 |
| S36 | 117 | ("4168883" "4204743" "4265511" "4307934" "4355321" "4451115" "4501637" "4616899" "4639077" "4687285" "4698662" "4707067" "4711521" "4733932" "4740259" "4752109" "4753508" "4758719" "4790618" "4818053" "4824202" "4842391" "4862231" "5046798" "5050953" "5073047" "5074682" "5075253" "5175783" "5181265" "5214845" "5239605" "5244818" "5247530" "5257336" "5266794" "5274723" "5283447" "5287001" "5291064" "5337398" "5347605" "5362976" "5416869" "5440658" "5452389" "5457759" "5463707" "5485021" "5495545" "5500540" "5504828" "5521999" "5526455" "5537504" "5546212" "5546490" "5548676" "5555334" "5566264" "5566265" "5600741" "5631992" "5692083" "5734771" "5737133" "5737465" "5745625" "5771218" "5940564" "Re34790").PN. OR ("6243508"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/22 16:36 |
| S37 | 2 | ("7128477").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/22 16:54 |

EAST Search History

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| S38 | 9 | ("20040071413" "20040184744" "20050175295" "4834485" "5555334" "5611006" "5848211" "6939058" "6954592").PN. OR ("7128477").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/22 16:56 |
| S39 | 1 | "6498666" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/22 16:56 |
| S40 | 10 | ("3758185" "3932881" "4730330" "4989935" "5124859" "5181264" "5230005" "5400419" "5555334" "5663821").PN. OR ("6498666").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/22 16:57 |
| S41 | 64 | ("4834485" "4945527" "5164930" "5181265").PN. OR ("5555334").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/22 16:57 |
| S42 | 20 | bidirectional with ((transmit\$ and receiv\$) or transceiver) and focus and (lens or grating) and (398/141 or 385/88).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/22 19:19 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 14 | ((("5555334") or ("6334716") or ("6822794") or ("3106091") or ("9325246") or ("2002277695"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/13 15:30 |
| S2 | 2 | ("7128477").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 12:18 |
| S3 | 164 | (tabata with seiichiro).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 15:58 |
| S4 | 4 | ((("7023891") or ("20050286592"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/13 15:47 |
| S5 | 9 | ("20040071413" "20040184744" "20050175295" "4834485" "5555334" "5611006" "5848211" "6939058" "6954592").PN. OR ("7128477").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 21:41 |
| S6 | 1 | S3 and staircase | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 15:59 |
| S7 | 11 | S3 and grating | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:04 |
| S8 | 2 | ("6208474").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/13 16:14 |
| S9 | 1 | quinoform near2 lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:15 |

EAST Search History

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|-----|-----|--|---|-----|----|------------------|
| S10 | 70 | binary diffractive with optical same lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:43 |
| S11 | 62 | binary diffractive with optical with lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:17 |
| S12 | 34 | S10 and grating | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:10 |
| S13 | 4 | binary diffractive optical (lens OR element) and (transmitter or transceiver or transmission module) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:38 |
| S14 | 4 | (binary diffractive optical (lens OR element)) and (transmitter or transceiver or transmission module) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:39 |
| S15 | 4 | (binary (type or diffractive) optical (lens OR element)) and (transmitter or transceiver or transmission module) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:40 |
| S16 | 1 | (binary type diffractive optical element) and (transmitter or transceiver or transmission module) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:41 |
| S17 | 7 | (binary near2 diffractive optical (lens or element)) and (transmitter or transceiver or transmission module) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:08 |
| S18 | 16 | (binary with diffractive with optical same lens) and (transmitter or transceiver or transmission module) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:49 |
| S19 | 464 | (saito with tetsuya).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:49 |

EAST Search History

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|-----|------|---|---|-----|-----|------------------|
| S20 | 11 | (saito with tetsuya).in. and grating | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 16:50 |
| S21 | 1085 | DOE and (transmitter or transceiver or transmission module) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:08 |
| S22 | 200 | S21 and grating | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:09 |
| S23 | 189 | S22 and wavelength | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:09 |
| S24 | 180 | S23 and diffraction | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:09 |
| S25 | 180 | S24 not S12 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:10 |
| S26 | 170 | S25 and lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 17:10 |
| S27 | 2 | ("5555334" "6504975").PN. OR ("7056037").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 18:07 |
| S28 | 0 | stair shaped grating | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 18:07 |
| S29 | 10 | stair shaped with grating | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 18:12 |
| S30 | 6 | ((("7072543") or ("5517279") or ("6956992")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/13 19:49 |

EAST Search History

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|-----|----|--|---|-----|-----|------------------|
| S32 | 58 | (DYNAMIC INFORMATION STORAGE OR RETRIEVAL).ti. and grating | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 18:26 |
| S33 | 0 | S32 and stair | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 18:26 |
| S34 | 17 | S32 and binary | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/13 18:26 |
| S35 | 2 | ("7056037").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/13 19:50 |
| S36 | 2 | ("5555334" "6504975").PN. OR ("7056037").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 19:52 |
| S38 | 16 | ((("6389253") or ("7121741") or ("20060204185") or ("20060114579") or ("6301026") or ("20060114566") or ("6822796") or ("6853760")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 20:37 |
| S39 | 12 | ("20040114883" "20040184744" "20040223705" "20050013562" "20060051033" "5181265" "5555334" "6120191" "6243508" "6353491" "6433942" "6694074").PN. OR ("7121741").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 20:12 |
| S40 | 64 | ("4834485" "4945527" "5164930" "5181265").PN. OR ("5555334").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 20:44 |
| S41 | 0 | (shoichi with kyotani).in. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 20:45 |
| S42 | 17 | staircase near grating | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 21:45 |
| S43 | 2 | stair shaped near grating | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/13 21:55 |

EAST Search History

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|-----|----|--|---|-----|-----|------------------|
| S44 | 2 | ("4834485").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/14 08:45 |
| S45 | 2 | ("6498666").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/14 08:46 |
| S46 | 2 | ("5496616").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 17:26 |
| S47 | 10 | ("4895790" "5208701" "5214535").PN. OR ("5496616"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/15 17:26 |
| S48 | 19 | ("4936665" "5007708" "5119231" "5472811" "5496616" "5543966" "5629074" "5629799" "5629804" "5694247" "5696584" "5726805" "5734502" "5754340" "5774278" "5817396" "5829856" "5839807" "5973827").PN. OR ("6327086").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/15 18:01 |
| S49 | 2 | ("6788636").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 18:01 |

EAST Search History

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|-----|-----|--|---|-----|-----|------------------|
| S50 | 77 | ("2233591" "3305294" "3958884" "4074314" "4210391" "4266534" "4340283" "4501493" "4545653" "4566762" "4612437" "4631397" "4733943" "4741605" "4904856" "4918679" "4929823" "4938573" "4995714" "4995715" "5097464" "5120120" "5132843" "5142411" "5153778" "5161040" "5161148" "5164584" "5195072" "5231624" "5235581" "5303221" "5345072" "5349471" "5386319" "5438187" "5446565" "5473471" "5496995" "5508992" "5513158" "5526338" "5583843" "5587981" "5612942" "5615199" "5615200" "5636190" "5638353" "5659533" "5665957" "5696750" "5703856" "5703862" "5708638" "5717674" "5724335" "5734512" "5734637" "5737300" "5754512" "5768242" "5777803" "5777973" "5790503" "5796683" "5815293" "5822135" "5844879" "5909424" "5917800" "5930214" "5982732" "5986779" "6052237").PN. OR ("6788636"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/15 18:35 |
| S51 | 0 | (shoichi with kyotani).in. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/15 18:36 |
| S52 | 0 | (kyotani with shoichi).in. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/15 18:40 |
| S53 | 2 | ("6376338").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 18:41 |
| S54 | 417 | grating and ("1510" or "1550" or "1.55") and ("1310" or "1300" or "1.3") and (binary or stair\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 18:45 |

EAST Search History

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|-----|-----|--|---|-----|-----|------------------|
| S55 | 312 | S54 and (((transmission or transmit\$4) and (receipt\$3 or receiv\$3)) or transceiver) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 18:50 |
| S56 | 168 | S55 and ("398".clas. or "385".clas.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 19:16 |
| S57 | 10 | ((("20040169929") or ("20060023212") or ("6400509") or ("6084710") or ("4748614")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 19:39 |
| S58 | 25 | "0303355" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 19:40 |
| S59 | 51 | (cowan with james).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 20:29 |
| S60 | 2 | ("20040175186").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 21:07 |
| S61 | 2 | ("6822794").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 20:37 |
| S62 | 164 | (tabata with seiichiro).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 21:08 |
| S63 | 11 | S62 and grating | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 21:10 |
| S64 | 57 | S62 and lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 21:10 |

EAST Search History

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|-----|----|---|---|-----|-----|------------------|
| S65 | 47 | S64 not S63 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/15 21:10 |
| S66 | 18 | ((("3666345") or ("4198117") or ("4359259") or ("4362359") or ("4387955") or ("4626069") or ("3975082") or ("4057319") or ("4465332"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 09:39 |
| S67 | 35 | binary diffractive (lenses or lens) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:39 |
| S68 | 17 | stair\$ shape\$2 near (lenses or lens or grating) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:41 |
| S69 | 84 | binary diffractive optical element | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:39 |
| S70 | 85 | (binary diffractive optical element) or (stair\$ near3 diffractive optical element) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:41 |
| S71 | 84 | S70 not S68 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:41 |
| S72 | 72 | S70 not S67 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:45 |
| S73 | 1 | kinoform-shaped diffractive | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:45 |
| S74 | 0 | qinoform-shaped diffractive | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:45 |

EAST Search History

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| S75 | 1 | kinoform-shaped diffractive | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 10:45 |
| S76 | 6 | kinoform-shaped | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 11:30 |
| S77 | 2 | ("5555334").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 11:30 |
| S78 | 2 | ("7121741").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 12:18 |
| S79 | 12 | ("20040114883" "20040184744" "20040223705" "20050013562" "20060051033" "5181265" "5555334" "6120191" "6243508" "6353491" "6433942" "6694074").PN. OR ("7121741"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/16 12:22 |
| S80 | 2 | ("7056037").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 12:22 |
| S81 | 2 | ("5555334" "6504975").PN. OR ("7056037").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/16 12:24 |
| S82 | 2 | ("7128477").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 12:24 |
| S83 | 9 | ("20040071413" "20040184744" "20050175295" "4834485" "5555334" "5611006" "5848211" "6939058" "6954592").PN. OR ("7128477").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/16 12:36 |
| S84 | 60 | stepped grating | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/16 12:36 |

EAST Search History

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| S85 | 2 | ("6088322" "6429972").PN. OR ("7072272").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/16 13:21 |
| S86 | 17 | ("5446565" "5875167" "5923636" "5930219" "6084710" "6094308").PN. OR ("6337841").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/11/16 14:00 |
| S87 | 2 | ("5933551").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 14:08 |
| S88 | 1 | (multi level or multilevel) blazed hologra\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 14:13 |
| S89 | 2 | ("5227915").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 14:14 |
| S90 | 2 | ("5073007").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 14:33 |
| S91 | 4 | ((("5111449") or ("5066138"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 17:46 |
| S92 | 2 | ("20040175186").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/16 18:19 |
| S93 | 18 | cross talk and signal cancelling | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:20 |
| S94 | 3 | cross talk same signal cancelling | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:41 |

EAST Search History

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| S95 | 15632 | (tilt\$3 or incline\$2) and (reduc\$3 or eliminat\$) with reflect\$3 and optic\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:43 |
| S96 | 3378 | (tilt\$3 or incline\$2) and (reduc\$3 or eliminat\$) with reflect\$3 and optic\$3 and grating | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:53 |
| S97 | 2798 | (tilt\$3 or incline\$2) and (reduc\$3 or eliminat\$) with reflect\$3 and optic\$3 and grating and (laser or laser diode or photodiode or photo diode or LD or PD) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:45 |
| S10 0 | 0 | S97 and "385".ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:45 |
| S10 1 | 431 | S97 and "385".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:45 |
| S10 2 | 94 | S97 and "398".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:45 |
| S10 3 | 649 | (tilt\$3 or incline\$2) with (grating or ((diffraction or defractive) near element)) and (reduc\$3 or eliminat\$) with reflect\$3 and optic\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:55 |
| S10 4 | 653 | (tilt\$3 or incline\$2) with (grating or ((diffraction or diffractive) near element)) and (reduc\$3 or eliminat\$) with reflect\$3 and optic\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:55 |
| S10 5 | 29 | S104 and "398".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/16 18:55 |

EAST Search History

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| S10 6 | 46 | (398/42 or 398/135-139 or 385/31-37 or 385/92-93 or 385/14 or 359/569 or 359/565 or 369/112). ccls. and (diffractive optical) and grating and (tansmitter or receiver or tansceiver) and fiber | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/17 09:30 |
| S10 7 | 53 | (398/42 or 398/135-139 or 385/31-37 or 385/92-93 or 385/14 or 359/569 or 359/565 or 369/112). ccls. and (diffractive optical) and grating and (tansmitter or receiver or tansceiver) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/17 09:29 |
| S10 8 | 7 | S107 not S106 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/17 09:29 |
| S10 9 | 24 | (398/42 or 398/135-139 or 385/31-37 or 385/92-93 or 385/14 or 359/569 or 359/565 or 369/112). ccls. and (diffractive optical) and grating (stair\$5 or binary or multilevel or multi level blazed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/17 09:31 |
| S11 0 | 184 | (398/42 or 398/135-139 or 385/31-37 or 385/92-93 or 385/14 or 359/569 or 359/565 or 369/112). ccls. and (diffractive optical) and grating and (stair\$5 or binary or multilevel or multi level blazed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/11/17 09:31 |